FIG. 1 PRIOR ART

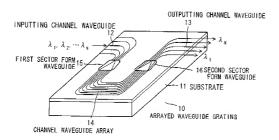
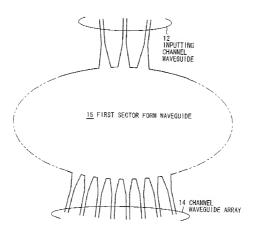
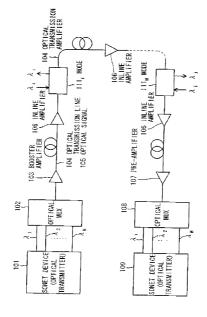


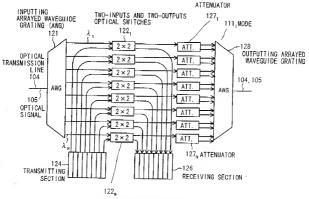
FIG. 2 PRIOR ART



F16.3

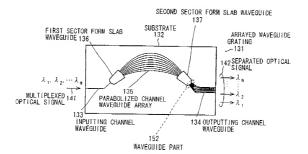


F/G. 4

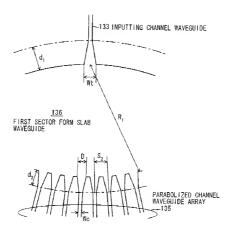


TWO-INPUTS AND TWO-OUTPUTS OPTICAL SWITCHES

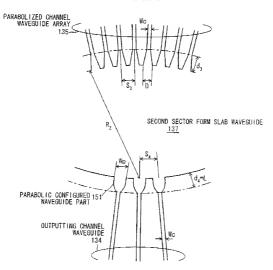
F/G. 5



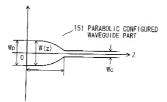
F/G. 6

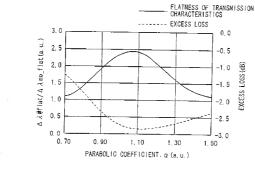


F1G. 7

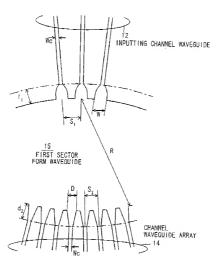


F1G. 8





F/G. 10



F/G. 11

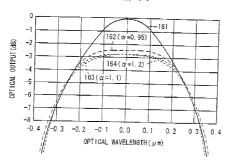
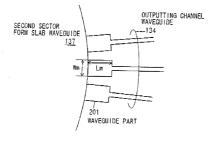


FIG. 12





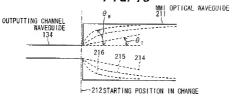


FIG. 14

